## Skillz Review: 1 point each.

Plot the points: Label each.

2)	(-3	, 0

(4, -2)	2) (-3,,0)	
	4	
	3	
	2	
<b>←</b> 5 -4 -3 -	2 -1 1 2 3 4 5	x
	-1 7 7 7	x
	-2	
	-4	

Simplify:
1-(-9)

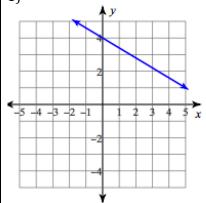
3) 
$$\frac{1-(-9)}{2-4}$$

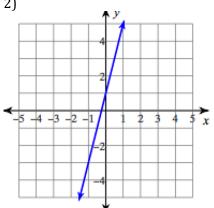
Simplify: 4) 
$$(-2)^3 - 3(3)$$

5) 
$$\frac{1-7}{5-8}$$

6) 
$$[5 + (10 - 11)]^2 + (4)(-3)$$

Directions: Write the slope-intercept form of the equation.





3) through: (-4, -2), slope =  $\frac{3}{4}$ 

4) through: (4, -3), slope =  $-\frac{7}{4}$ 

5) f(0) = 2, f(-3) = 4

6) through: (1, 5) and (2, -4)

9) through (4, 2) and (2, -3)	10) through: (2, 3), parallel to $y = 3x - 1$					
11) through: (-5, 3), perpendicular to $y = x - 6$	Directions: Determine which lines, if any, are parallel or perpendicular.  12) Line A: $5x + y = 4$ Line B: $y = 5x - 8$ Line C: $x + 5y = 10$					
Directions: Use the data in the table to answer the ques	tions. ROUND TO THE NEAREST TENTH.					
13)	14)					
X         -10         -6         -3         0         2           Y         58         47         43         37         30	X         0         14         28         30         52           Y         45         40         32         31         26					
a) Find the line of best fit.  b) Approximate the value of y when x = 25	a) Find the line of best fit. b) Find the zero of the function.					

a) What's Mr. Brust's slope (rate of change) for this situation?	Åν						
	20	$\Box$	Т	Т	П	Т	7
	16		$\perp$	$\perp$	$\Box$	$\perp$	
b) What's Mr. Brust's y-intercept (initial value) for this situation?		$\dashv$	$\perp$	$\perp$	$\sqcup$	+	_
	16	$\dashv$	+	+	$\vdash$	+	$\dashv$
		$\dashv$	+	+	$\vdash$	+	$\dashv$
a) Write an equation of the line for the given situation Cranh the line	14	$\dashv \dashv$		$\top$		$\pm$	1
c) Write an equation of the line for the given situation. Graph the line.	ation?  16  14  10  10  6  4  2  1 2 3 4 5 6 7	$\Box$	$\perp$				
		$\dashv$	$\perp$	+	$\sqcup$	s ip x	
	10	$\dashv$	+	+	$\vdash$	+	10 x
		$\dashv$	+	+	$\vdash$	S 10 x	
	В	$\Box$		$\top$		$\pm$	
	6		$\perp$	$\perp$	П	$\perp$	
	-	$\dashv$	+	+	$\vdash \vdash$	+	4
	4	$\dashv$	+	+	$\vdash$	+	$\dashv$
		$\dashv \dashv$	+	+	$\vdash$	+	$\dashv$
	2					工	
				<u> </u>	Ц		<u> </u>
d) How much money would Mr. Kelly have after 14 months?	1 2	-1-1	1	9 '	- 15	4	-" ×
a) now mach money would but nonly have after 11 monetals	-2	$\dashv \dashv$	+	+	$\vdash$	+	$\dashv$
		$\dashv \dashv$	+	+	$\vdash$	+	1
	4					$\perp$	
	*						

b) How much money does Mr. Brust have after tutoring for 30 hours?

chapter 7 to the score they received on their mist test.

Days, x	1.5	2	3	5	6	9
Score, y	99	93	86	83	73	68

- a) Fine the equation that models the best-fitting line for the above data. Round values to the nearest tenth.
- b) Approximate the score of someone who spent 7 days working on Chapter 4.
- c) Approximate the score of someone who spent 4 days working on Chapter 4.
- d) Find the zero of the equation that models the best-fitting line. What does it represent? Does it make sense? Why or why not?